

## PRIOR ART

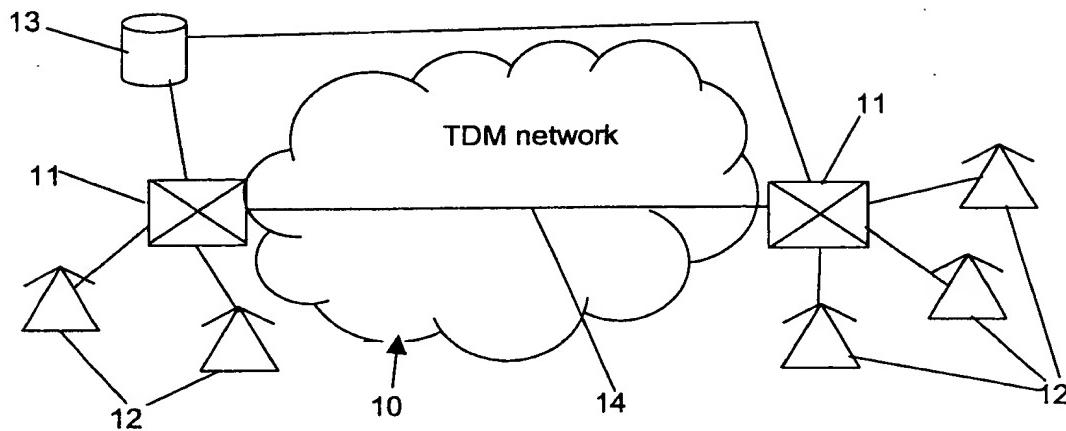


Figure 1

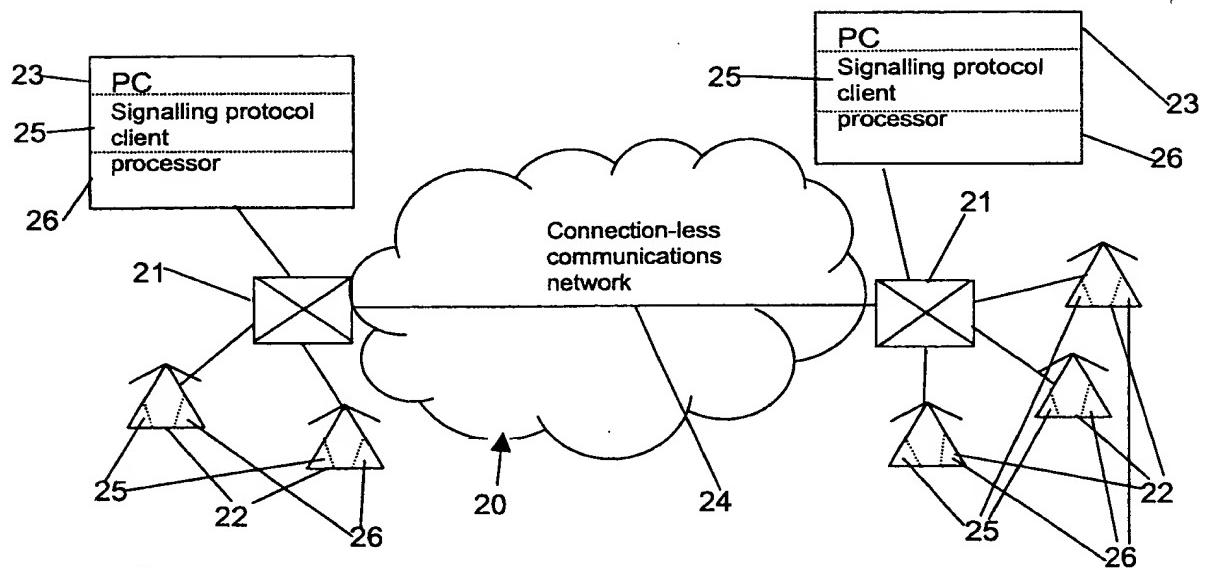


Figure 2

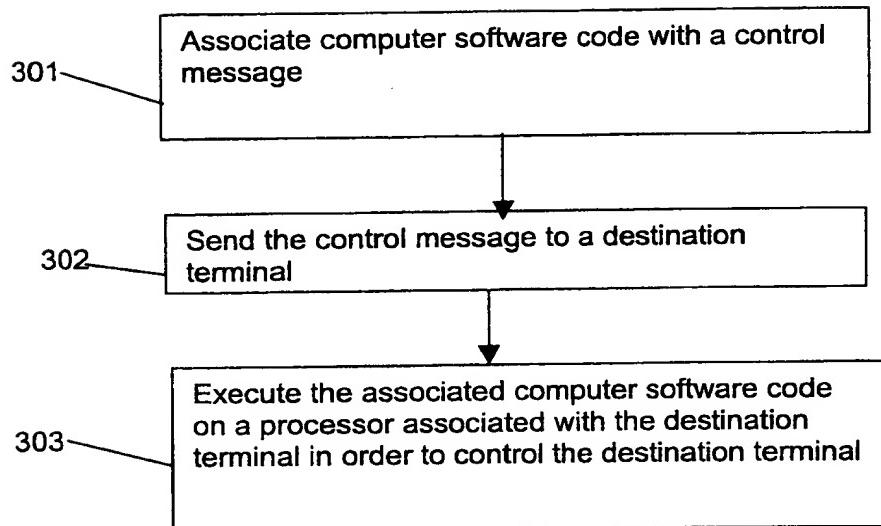


Figure 3

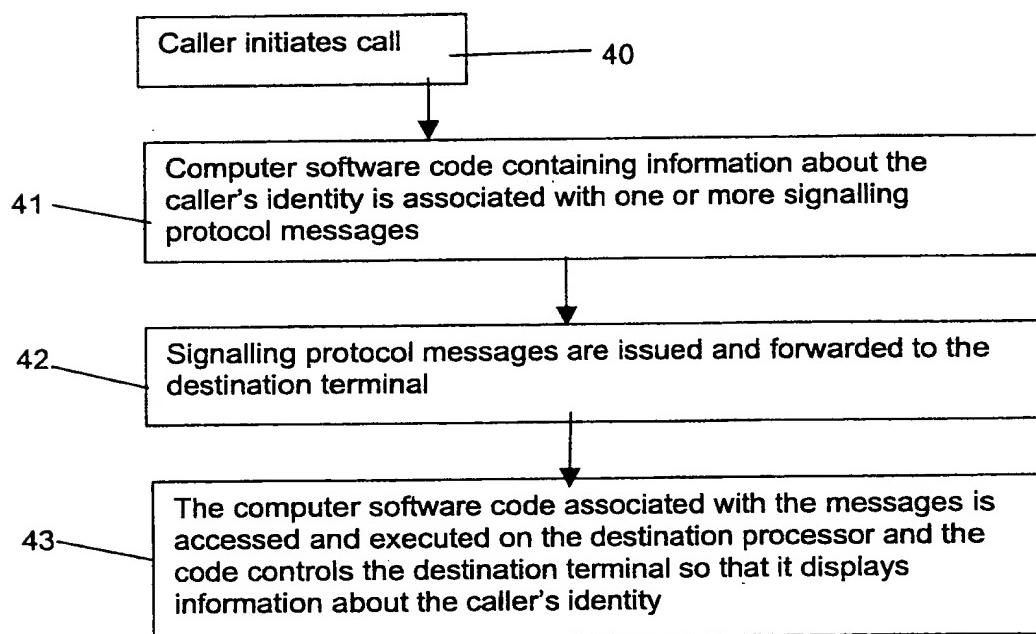


Figure 4

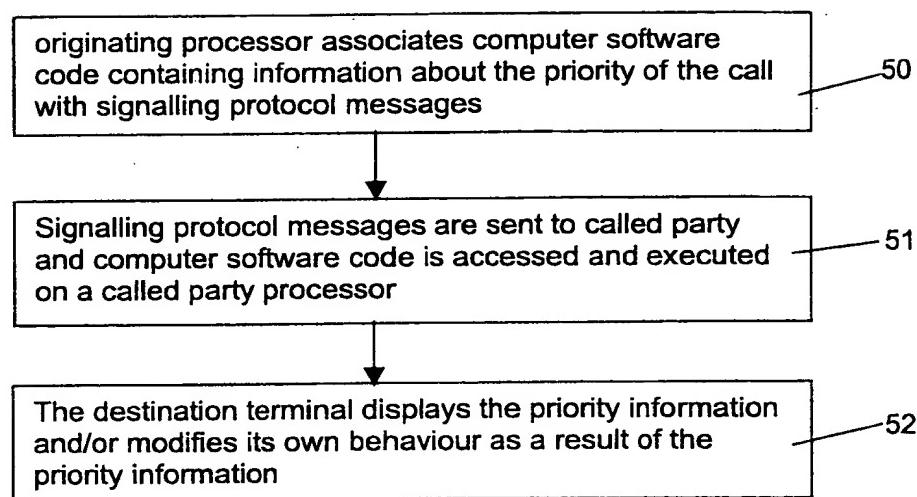


Figure 5

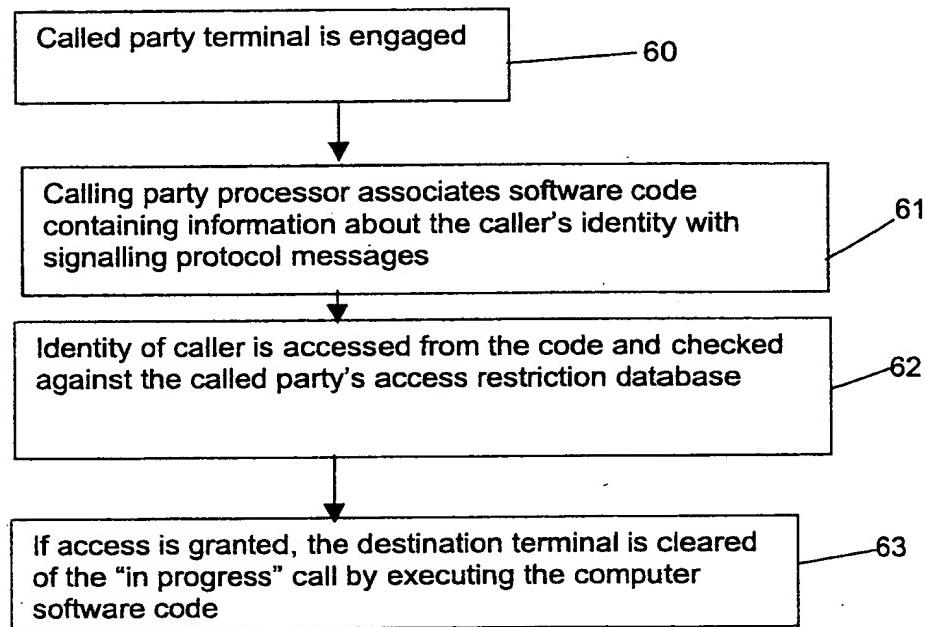


Figure 6

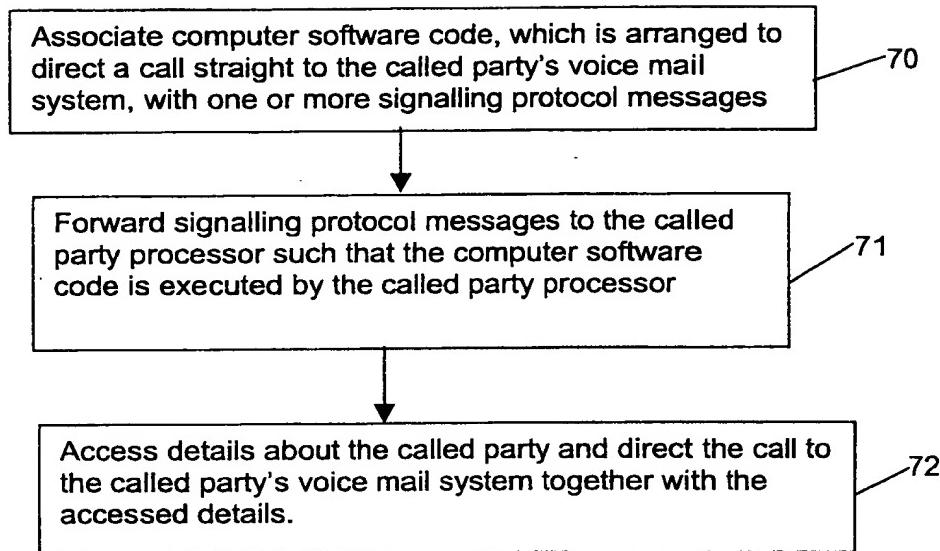


Figure 7

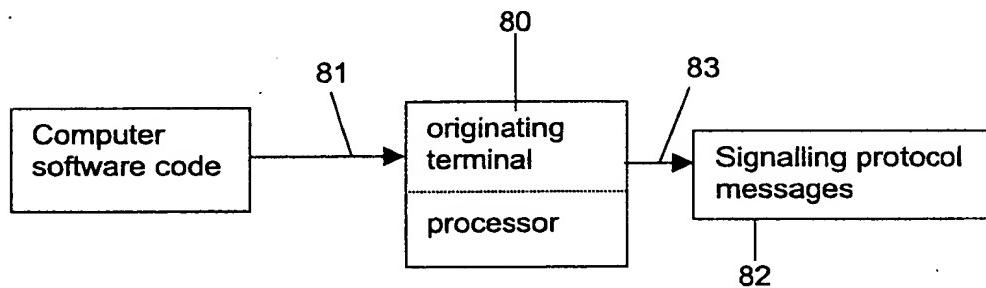


Figure 8

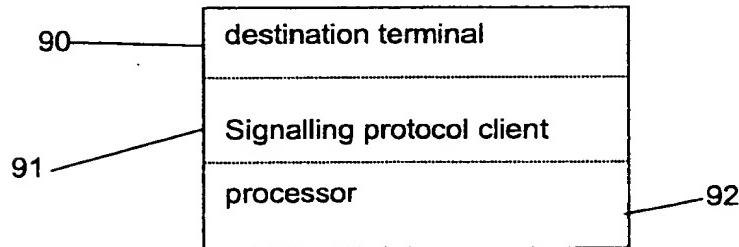


Figure 9

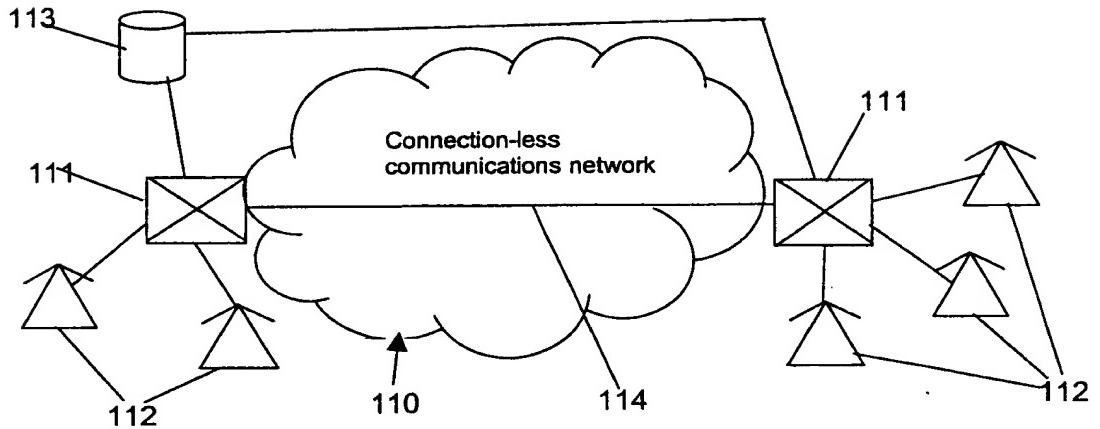


Figure 10

Provide a database comprising information about the identity of a plurality of originating terminals and a caller associated with each originating terminal

Initiating a call from an originating terminal to a destination terminal

Receiving information at the originating terminal about the identity of a caller and forwarding this information from the originating terminal to the database and updating the database with this information

Accessing the identity of the caller associated with the originating terminal from the database and displaying that identity at the destination terminal

Figure 11

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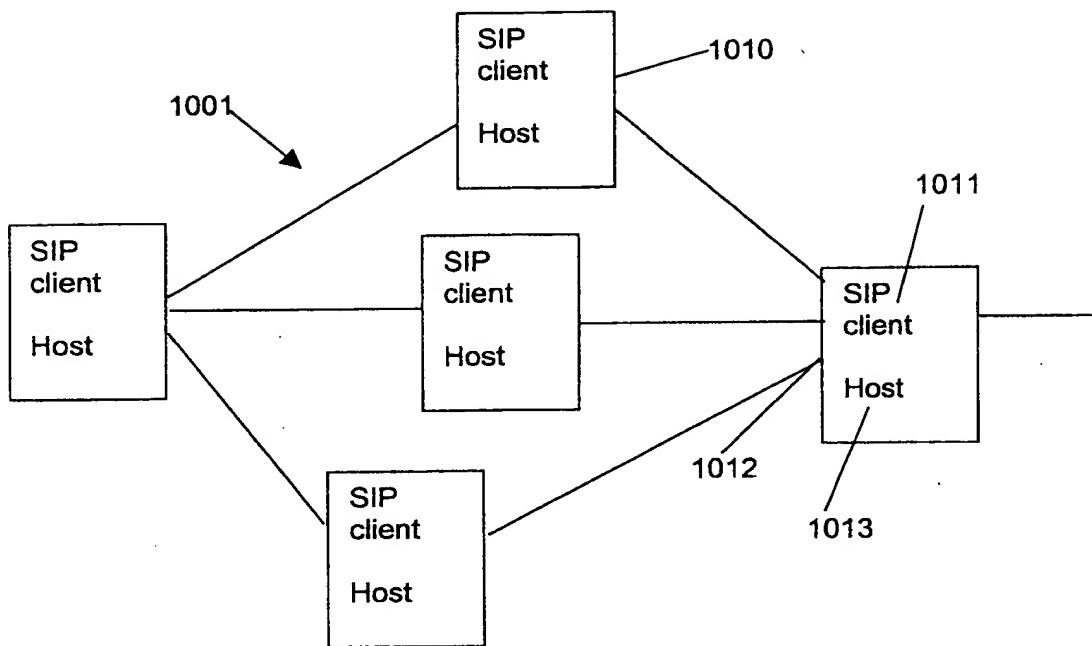


Figure 12

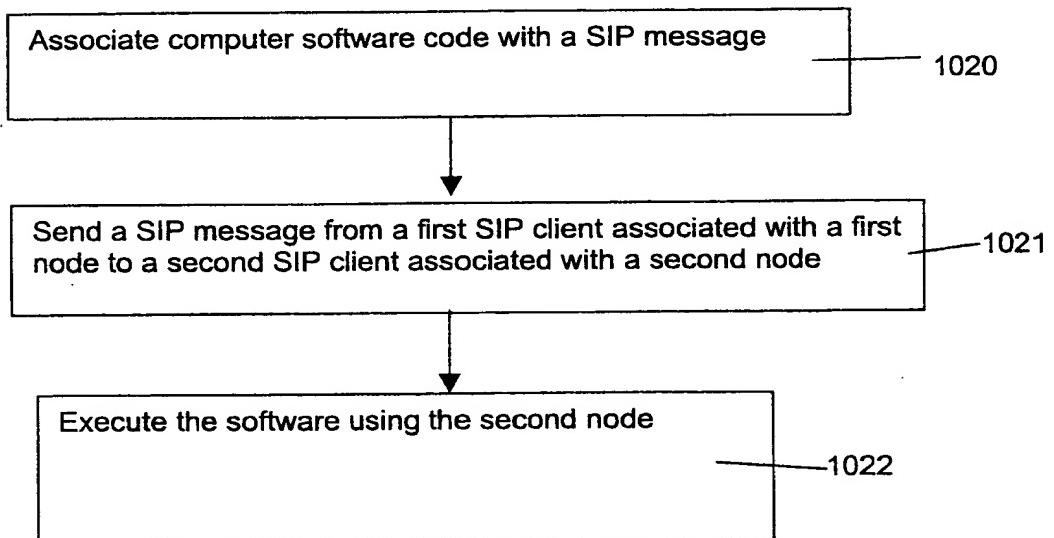


Figure 13

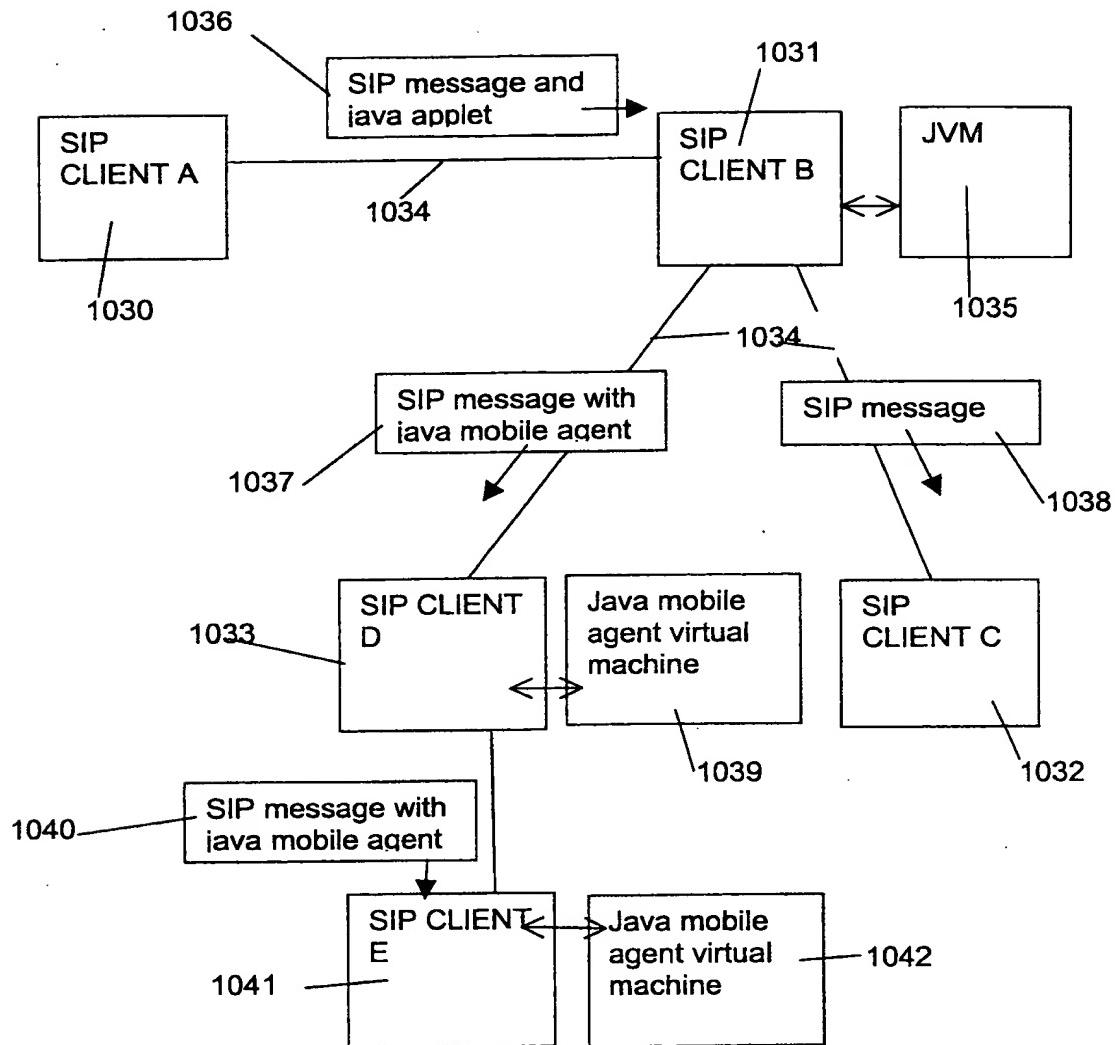


Figure 14

C ->S: INVITE sip:watson@boston.bell-tel.com SIP/2.0  
Via: SIP/2.0/UDP kton.bell-tel.com>  
From: A. Bell ,sip:a.g.bell@bell-tel.com>  
To: T. Watson ,sip:watson@bell-tel.com.  
Call-ID: 3298420296@kton.bell.tel.com  
Cseq: 1 INVITE  
Subject: Mr. Watson, come here.  
Content-Type: multipart/mixed; boundary=3E4A567F4C8A  
(or URL for java applet)  
Content-Length: ...  
Require: org.ietf.sip.java-enhanced-sip

(Within the message body)

--3E4A567F4C8A  
Content-Type: application/x-sipjava  
Content-Encoding: binary  
Content-length: xxx  
...Java applet or Java mobile agent for  
processing...  
--3E4A567F4C8A—

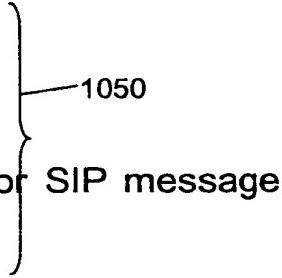


Figure 15

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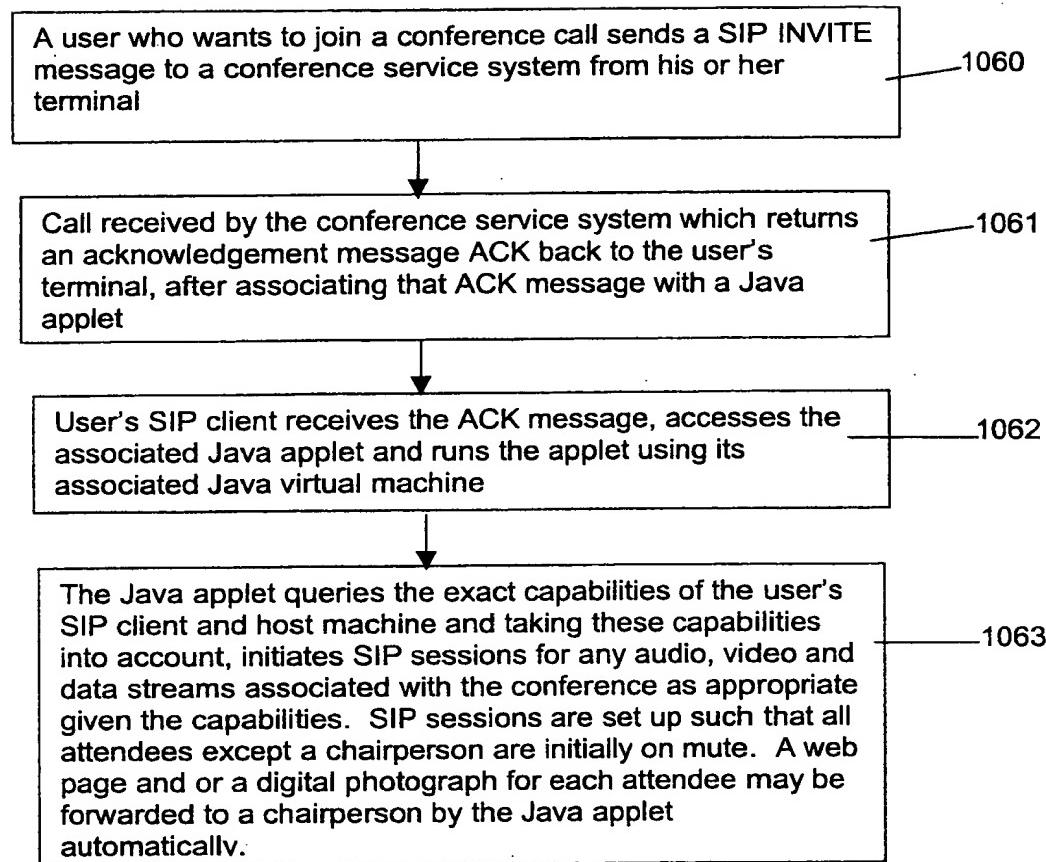


Figure 17

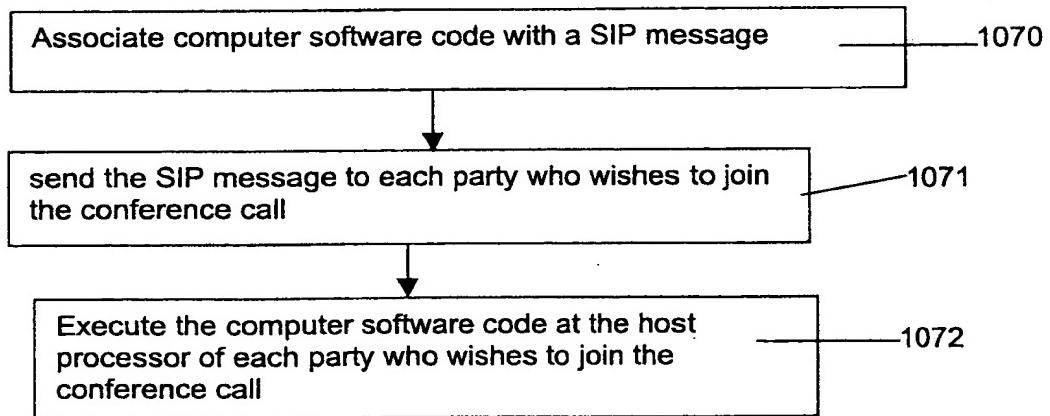


Figure 18

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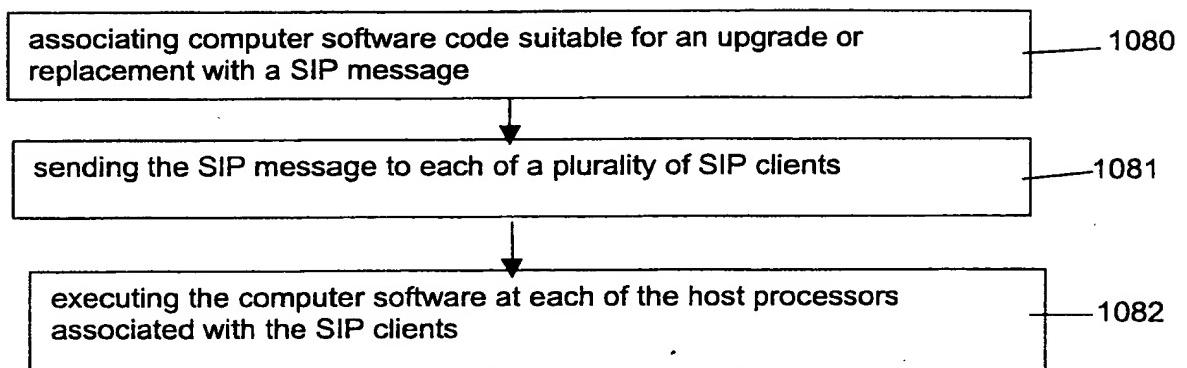


Figure 19

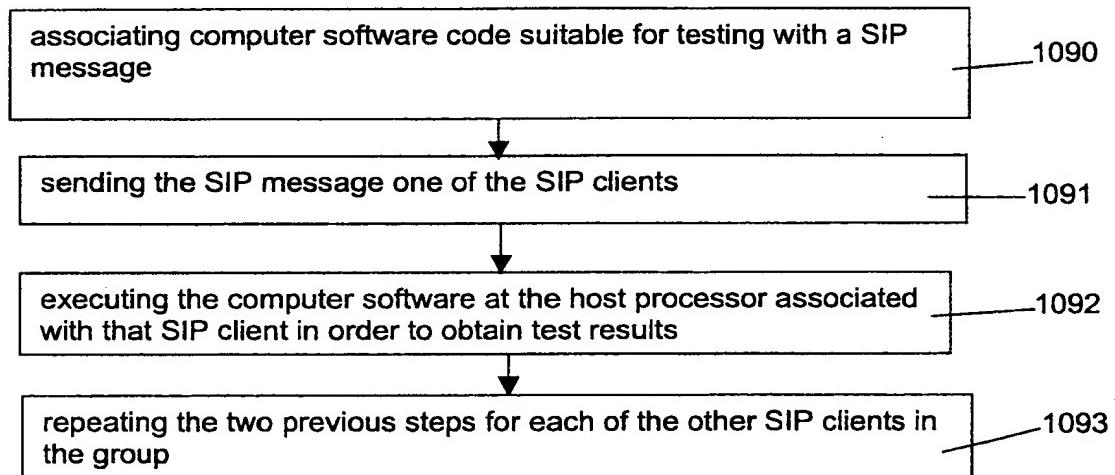


Figure 20

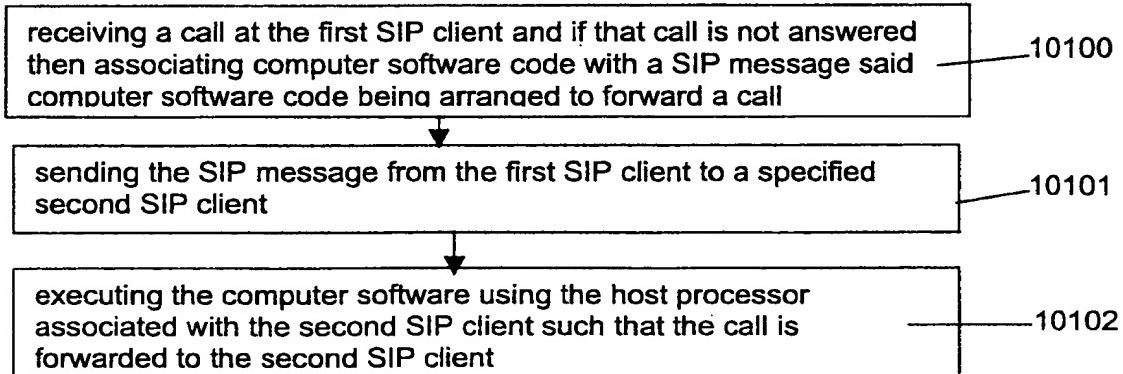


Figure 21

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```
Request = Request-Line ;  
  *( general-header  
  | request-header  
  | entity-header )  
CRLF  
  [ message-body ] ;
```

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```
general-header = Accept ;  
  | Accept-Encoding ;  
  | Accept-Language ;  
  | Call-ID ;  
  | Contact ;  
  | CSeq ;  
  | Date ;  
  | Encryption ;  
  | Expires ;  
  | From ;  
  | Record-Route ;  
  | Timestamp ;  
  | To ;  
  | Via ;  
entity-header = Content-Encoding ;  
  | Content-Length ;  
  | Content-Type ;  
request-header = Authorization ;  
  | Contact ;  
  | Hide ;  
  | Max-Forwards ;  
  | Organization ;  
  | Priority ;  
  | Proxy-Authorization ;  
  | Proxy-Require ;  
  | Route ;  
  | Require ;  
  | Response-Key ;  
  | Subject ;  
  | User-Agent ;  
response-header = Allow ;  
  | Proxy-Authenticate ;  
  | Retry-After ;  
  | Server ;  
  | Unsupported ;  
  | Warning ;  
  | WWW-Authenticate ;
```

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< ----- This will indicate that the content type is a java applet or a Java Mobile Agent (or the URL of a location of either from where they must be retrieved).

< ----- This will be used to indicate that Java-enhanced-SIP must be supported to process this message.

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FIGURE 16